

MODIFIED PROTEIN FOR INTRODUCING GENE AND ITS PRODUCTION

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Inventor(s): TAKAHARA YOSHIYUKI; YAMADA NAOYUKI; MOTOKI MASAO +

Applicant(s): AJINOMOTO KK +

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Abstract of JP 8089278 (A)

PURPOSE: To obtain a peptide or a protein derivative to which a high polymer substance having ability including a nucleic acid is bound without impairing characteristics of physiologically active peptide or physiologically active protein. CONSTITUTION: The characteristic of this method for producing a physiologically active peptide or physiologically active protein including nucleic acid is to form an amino group of the amino donor and acid amide bond in an acid amide at 8gamma -position of 8gamma - glutamine residue by reacting a physiologically active peptide or a physiologically active peptide having at least one or more glutamine residues with a polymer substance having an amino donor and having ability including a nucleic acid in the presence of a transglutaminase (Glutaminyl- peptide: amine 8gamma -glutamytransferase). Furthermore, the peptide or protein derivative and the nucleic acid-including substance for producing the protein are provided. A gene can selectively be introduced into a cell using the derivative.

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